

FIG.  
1

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Mass spectrum A displays a single prominent peak at  $m/z$  19560, which is labeled at the top. The y-axis represents relative intensity, with a scale from 0 to 100. The x-axis represents the mass-to-charge ratio ( $m/z$ ), with major tick marks at 19000, 19500, 20000, 20500, and 21000. The peak at 19560 is very sharp and reaches a relative intensity of approximately 100. There is a small shoulder on the right side of the main peak, around  $m/z$  19650, and the baseline is relatively flat across the rest of the spectrum.

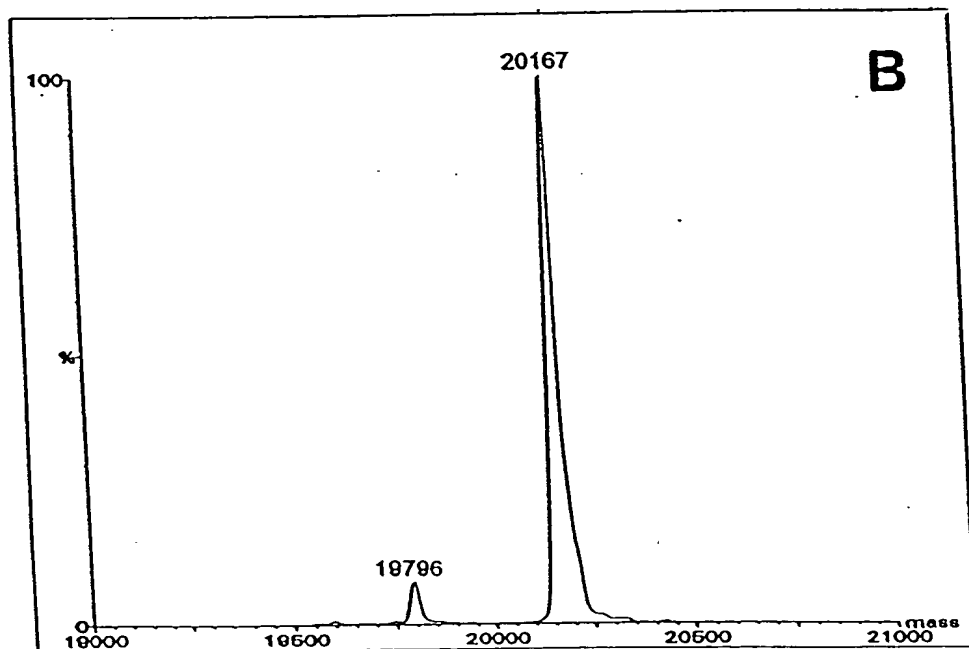


FIG. 2

000260" 0905/650

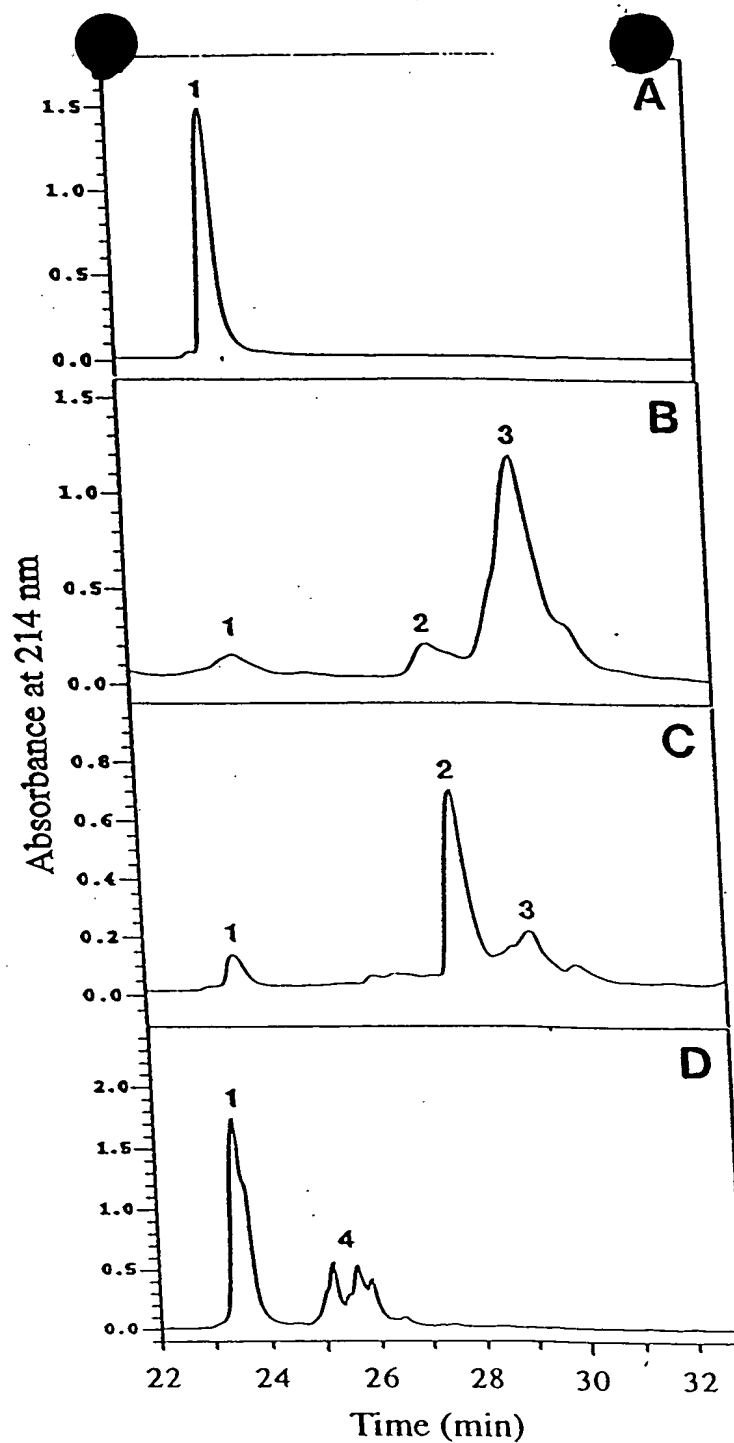


FIG. 3

000250"09967669

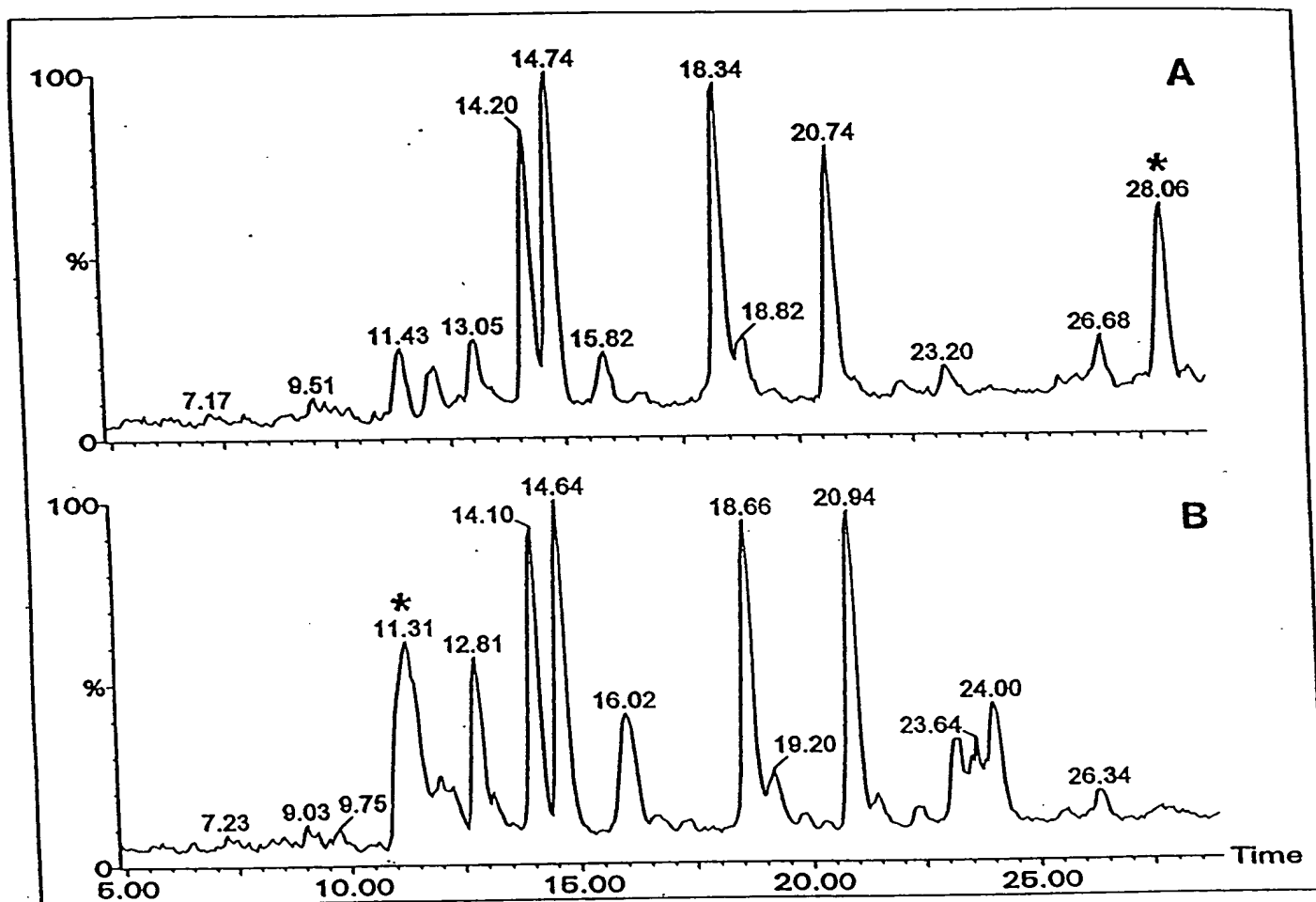


FIG. 4



003257 0805660

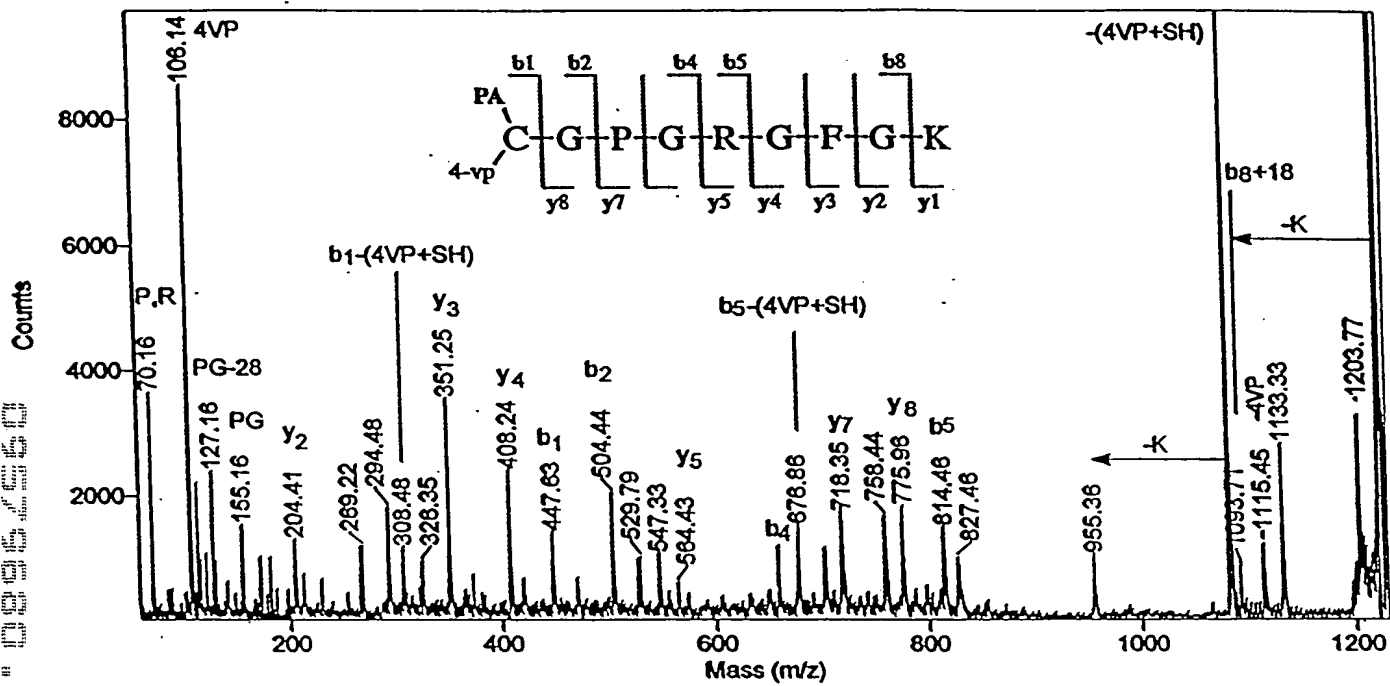


Fig.

5

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009250 09957550

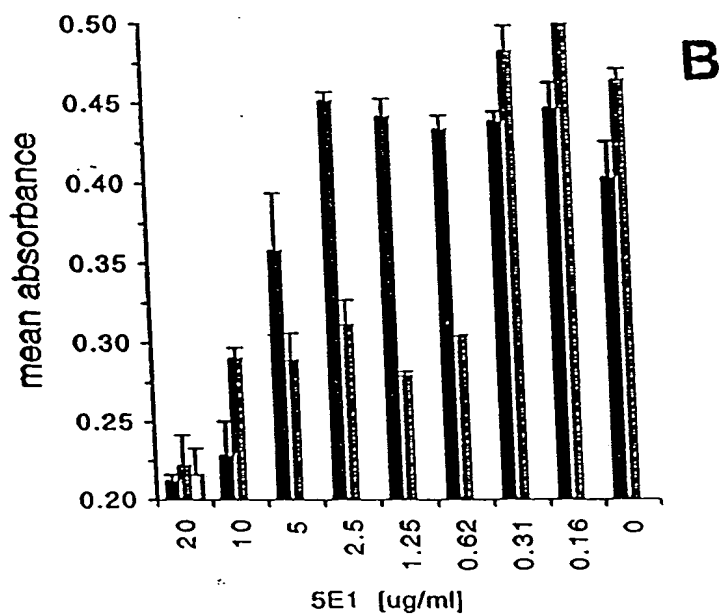
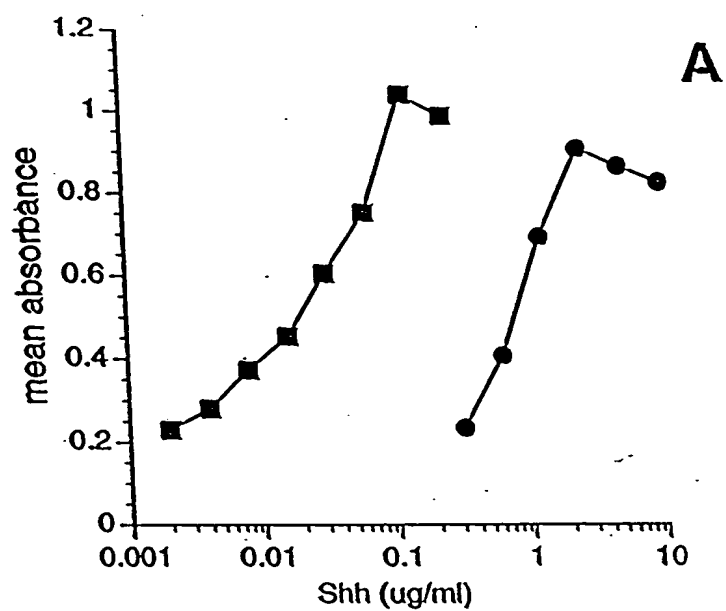


FIG. 6

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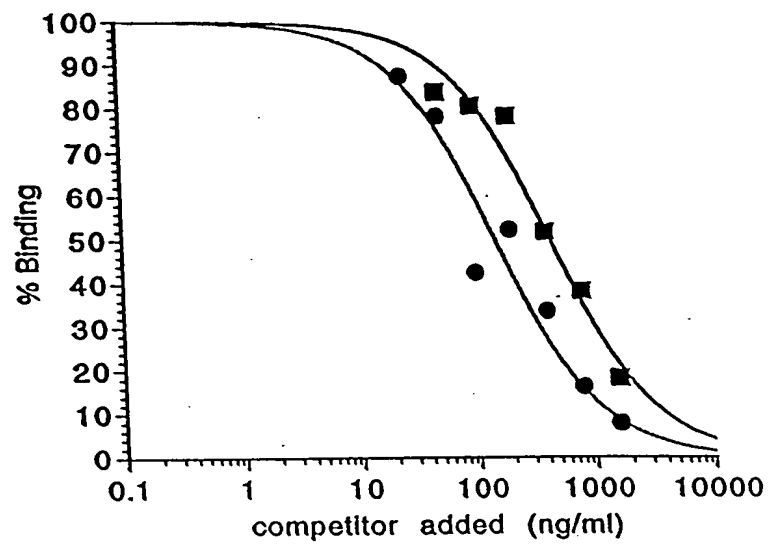




FIG-7

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1  
CGPGR<sub>x1 x2 x3 x4 x5</sub>  <sub>x6 x7 x8</sub> K<sub>x9</sub> L<sub>x10</sub> P L<sub>x11</sub> YKQF<sub>x12</sub> P<sub>x13</sub> V<sub>x14</sub>  EKT LGASGR 40

<sub>x15</sub> EGK<sub>x16 x17</sub> R<sub>x18</sub> SE RFK<sub>x19</sub> L<sub>x20</sub> PNYN PDIIFKDEEN <sub>x21</sub> GADRLMT<sub>x22</sub> R 80

CK<sub>x23 x24x25</sub> NSLAI <sub>x26</sub> VMN<sub>x27</sub> WPGVK LRVTEGWDED GHH<sub>x28 x29 x30</sub> SLH 1

EGRAVDITTS DRDR<sub>x31</sub> KYG<sub>x32</sub> L ARLAVEAGFD WVYYES<sub>x33 x34</sub> H<sub>x35</sub> 16

176

H<sub>x36</sub> SVK<sub>x37 x38 x39</sub> S<sub>x40</sub> AA<sub>x41 x42</sub> GG

Where:

- X1 is either V or G;  
X2 is either V, F or P;  
X3 is either G or V;  
X4 is either S or G;  
X5 is either R or K;  
X6 is either P, H or Y;  
X7 is either P or A;  
X8 is either R or K;  
X9 is any amino acid;  
X10 is either V or T;  
X11 is either A or L;  
X12 is either S, I or V;  
X13 is either N or G;  
X14 is either P or A;  
X15 is either Y or A;  
X16 is either I or V;  
X17 is either A or S;  
X18 is either S, N or G;  
X19 is either E or D;  
X20 is either T or V;  
X21 is either T or S;  
X22 is either Q or E;  
X23 is either D or E;  
X24 is either R or K;  
X25 is either L or V;  
X26 is either S or A;  
X27 is either Q or M;  
X28 is either S or A;  
X29 is either E or Q;  
X30 is either E or D;  
X31 is either N or S;  
X32 is either L or M;  
X33 is either K or R;  
X34 is either A or N;  
X35 is either V or I;  
X36 is either C or V;  
X37 is either S or A;  
X38 is either E or D;  
X39 is either H or N;  
X40 is either A, V or L;  
X41 is either K or R; and  
X42 is either T, S or A.

Induction of alkaline phosphatase in 10T1/2 cells by acyl-hedgehog. Effect of acyl chain length.

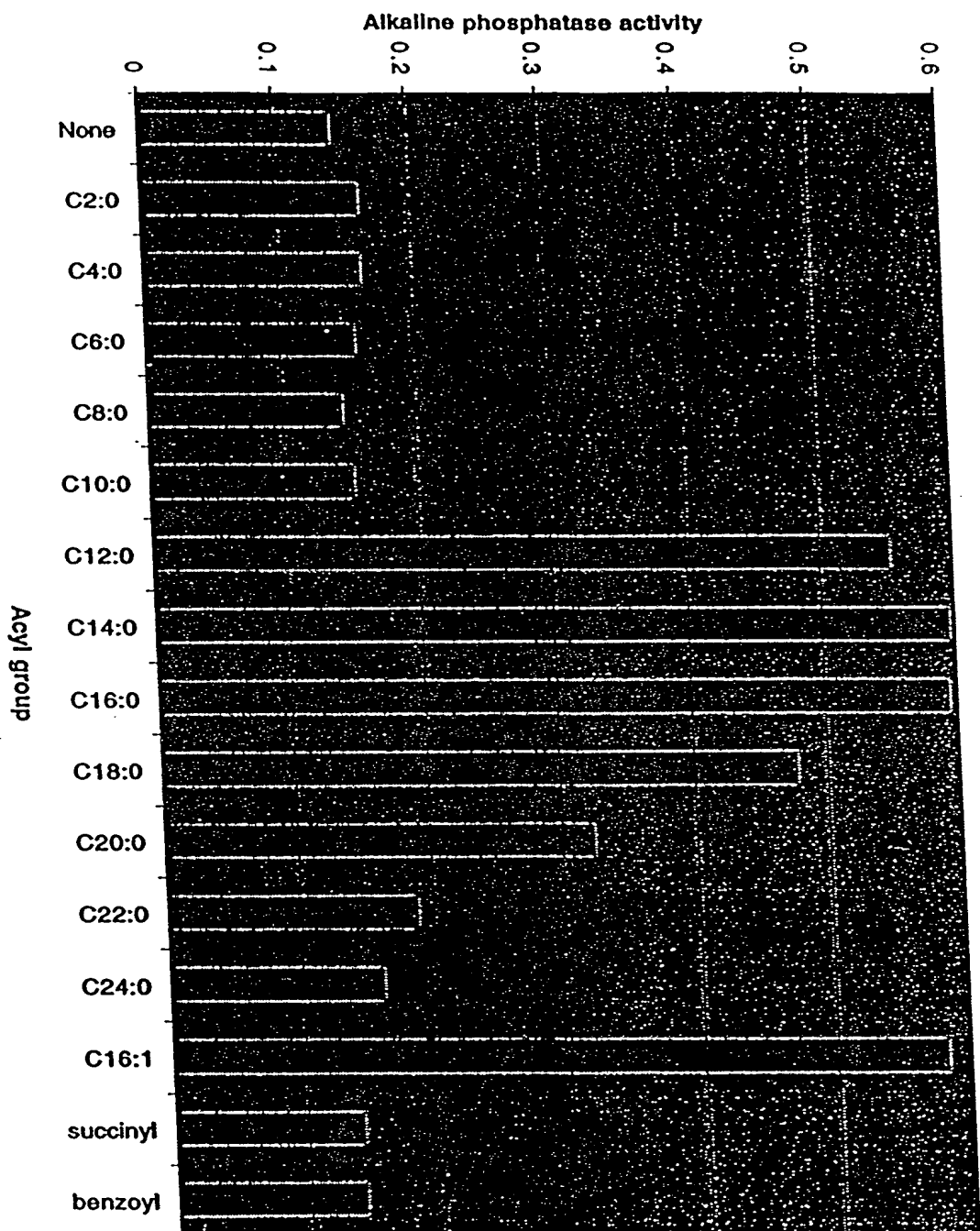
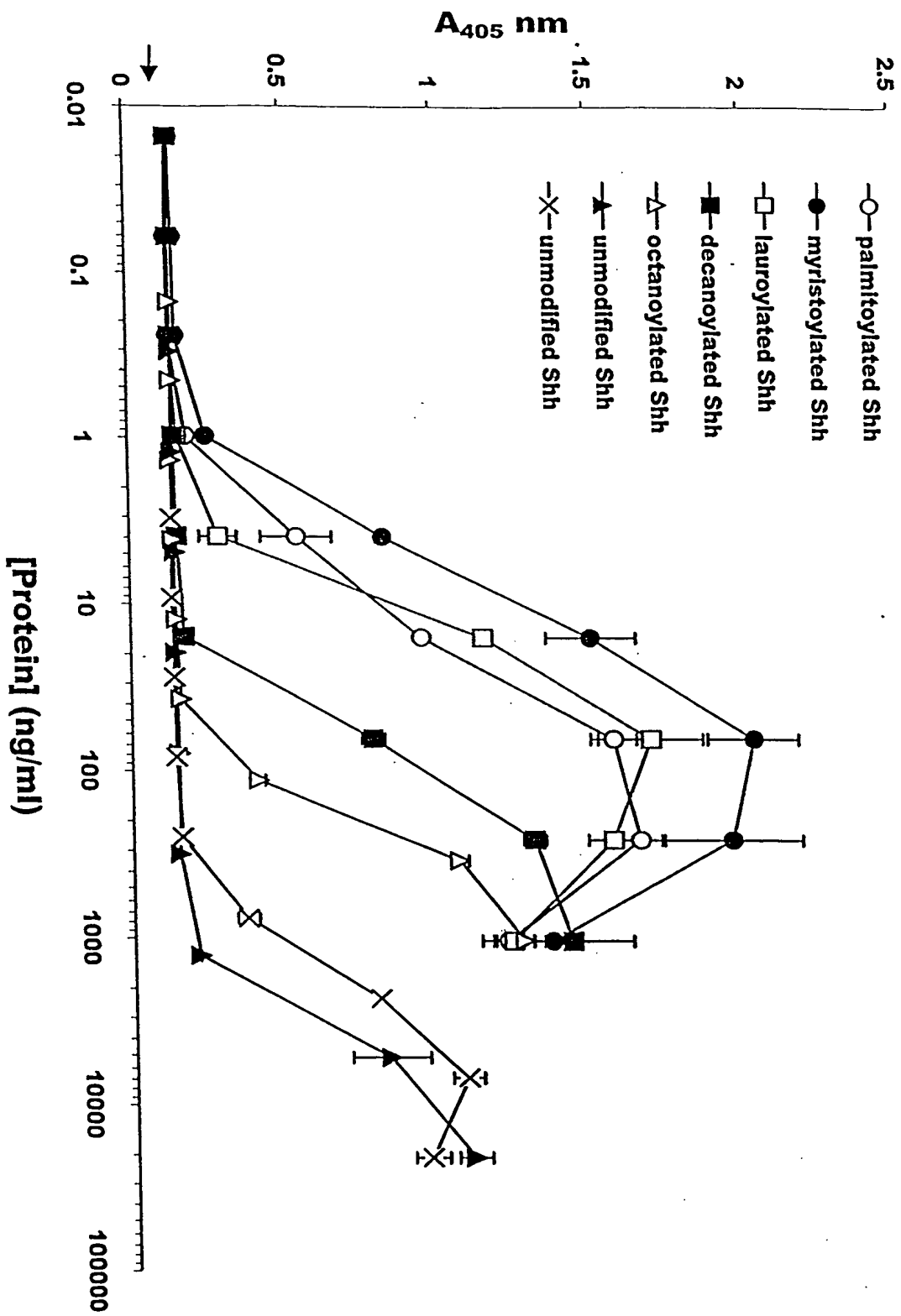


Fig-10

Figure 11



05379680 032600



Figure 13. Relative potency of various hydrophobically-modified forms of hedgehog in the C3H10T1/2 assay

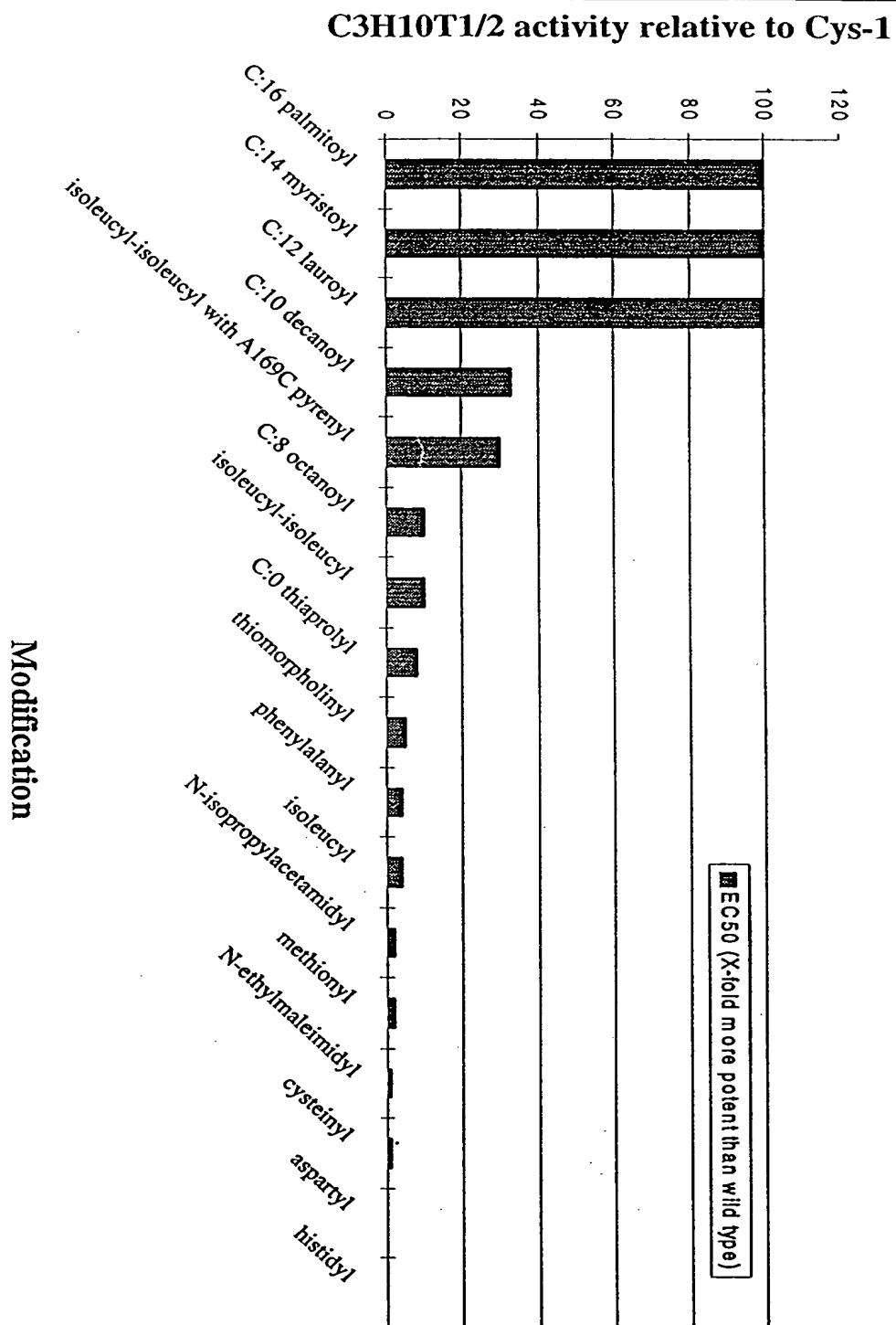
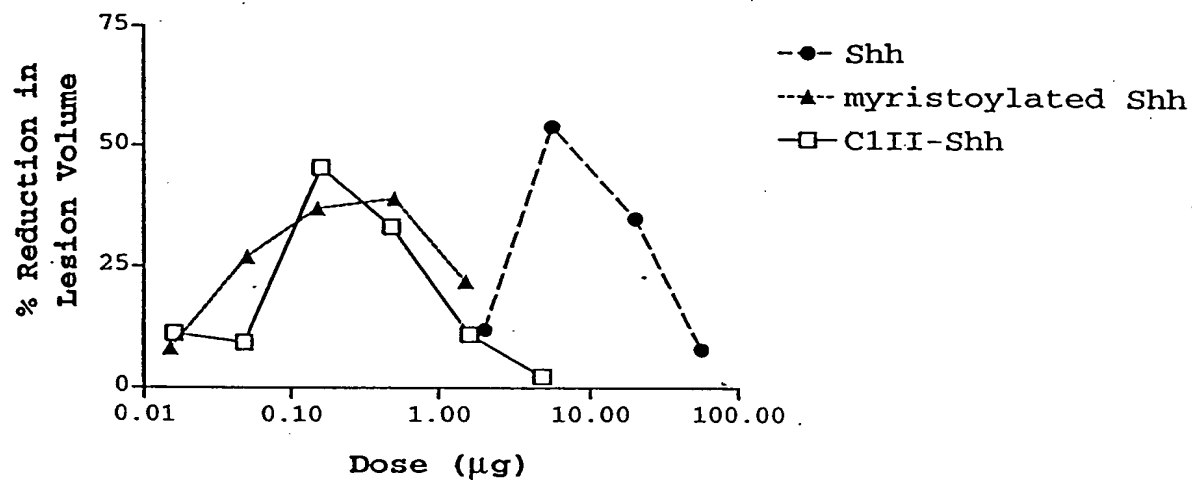


Figure 14

Dose response for Hedgehog  
proteins in malonate  
striatal lesion model



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# Activities of maleimide modified sHh-N in 10t1/2 cells

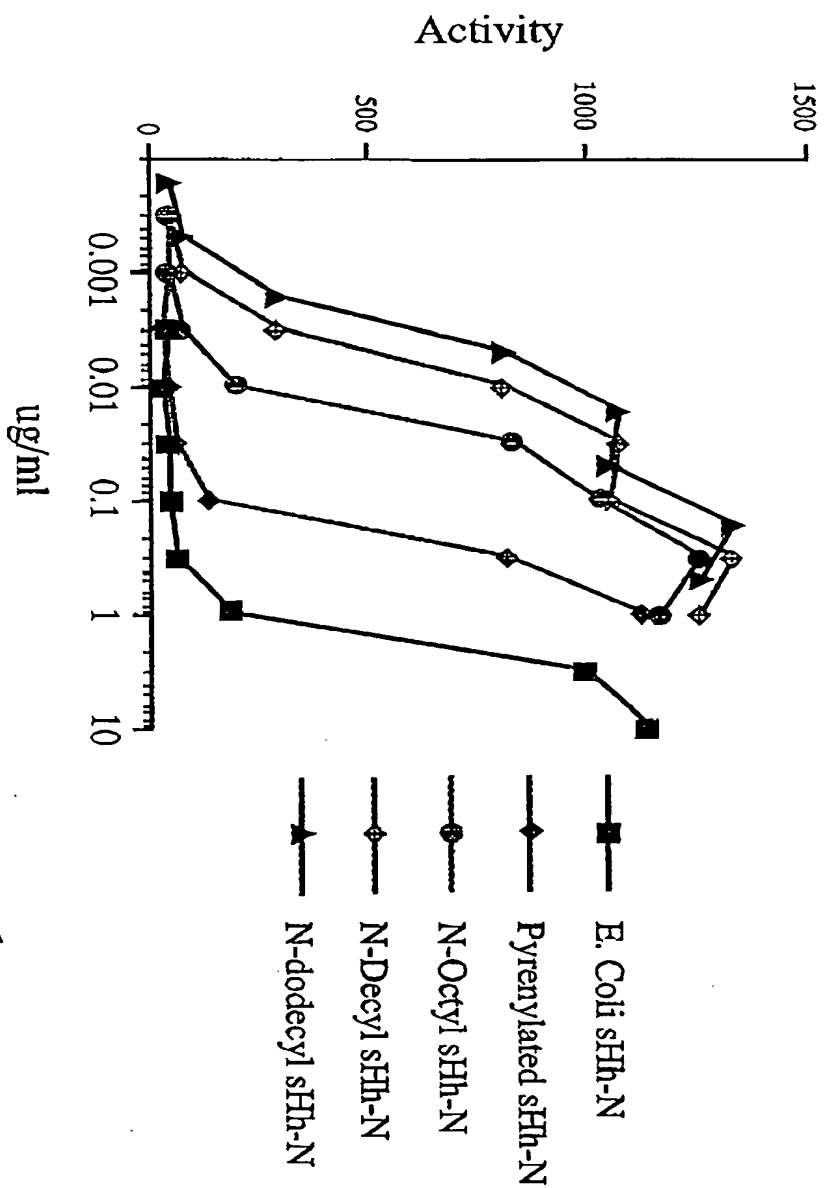


Figure 15